

IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A device comprising first ~~(10, 26, 32, 37, 55, 61, 70, 80)~~ and second ~~(11, 27, 33, 38, 56, 62, 71, 81)~~ layers wherein: the first layer is flexible; and the second layer is substantially flat and meanders across the plane of the first layer so as to prevent fracture of the second layer when the first layer is deformed, wherein the second layer comprises a plurality of interconnected portions that are arranged in aligned sets that are offset from one another, the interconnected portions being connected to one another so as to provide a continuous path between first and second ends of the second layer.

2. (Currently Amended) A The device according to claim 1,

wherein the second layer is in contact with the first layer over substantially the whole of the length of the second layer.

Claims 3-5 (Canceled)

6. (Currently Amended) A The device according to ~~claim 4~~ claim 1, wherein the interconnected portions are connected to one another by a connecting element ~~(15, 30, 40, 58, 64)~~ that is narrower than the interconnected portions being connected.

7. (Currently Amended) A The device according to claim 6, wherein the interconnected portions are aligned in a longitudinal direction and the connecting element ~~(15, 30, 40, 58, 64)~~ is disposed to be substantially perpendicular to said direction.

8. (Currently Amended) A The device according to ~~claim 3~~ claim 1, wherein the interconnected portions ~~(12, 13, 39, 82)~~, comprise rectangular portions.

9. (Currently Amended) A The device according to ~~claim 4~~ claim 1, wherein the interconnected portions ~~(12, 13, 28, 29, 35, 39, 63, 72)~~ are connected to one another at their respective ends.

10. (Currently Amended) A The device according to ~~claim 4~~ claim 1, containing two aligned sets of interconnected portions ~~(12, 13, 28, 29, 35)~~.

11. (Currently Amended) A device ~~according to claim 3,~~ comprising first and second layers, wherein the first layer is flexible, and the second layer is substantially flat and meanders across the plane of the first layer so as to prevent fracture of the second layer when the first layer is deformed, the second layer comprising a plurality of interconnected portions, and wherein the interconnected portions ~~(28, 29, 35)~~ comprise semi-circular portions.

12. (Currently Amended) A The device according to ~~claim 3~~ claim 1, wherein the interconnected portions ~~(12, 13, 39, 63, 72)~~

comprise substantially quadrilateral portions.

13. (Currently Amended) A device ~~according to claim 3,~~  
comprising first and second layers, wherein the first layer is  
flexible, and the second layer is substantially flat and meanders  
across the plane of the first layer so as to prevent fracture of  
the second layer when the first layer is deformed, the second layer  
comprising a plurality of interconnected portions, and wherein the  
interconnected portions ~~(57)~~ comprise substantially hexagonal  
portions.

14. (Currently Amended) A ~~The~~ device according to ~~claim 3~~  
claim 1, wherein the interconnected portions ~~(39, 57, 63, 72)~~ are  
arranged in an array of interconnected portions.

15. (Currently Amended) A ~~The~~ device according to claim 12,  
wherein at least one of said interconnected portions is connected  
to three or more other portions.

16. (Currently Amended) A device ~~according to claim 3,~~  
comprising first and second layers, wherein the first layer is  
flexible, and the second layer is substantially flat and meanders  
across the plane of the first layer so as to prevent fracture of  
the second layer when the first layer is deformed, the second layer  
comprising a plurality of interconnected portions, and wherein the  
second layer (81) comprises a random arrangement of portions (82)  
connected to one another so as to provide a continuous path between  
first and second ends of the second layer.

17. (Currently Amended) A device ~~according to claim 3,~~  
comprising first and second layers, wherein the first layer is  
flexible, and the second layer is substantially flat and meanders  
across the plane of the first layer so as to prevent fracture of  
the second layer when the first layer is deformed, the second layer  
comprising a plurality of interconnected portions, and wherein each  
of the interconnected portions has a length, the portion length  
being selected to prevent fracture when the first layer is deformed  
to a predetermined radius of curvature.

18. (Currently Amended) ~~A~~ The device according to claim 17, wherein the portion length is selected to be less than a predetermined length, the predetermined length being dependent on the average length between cracks ~~(25)~~ for a continuous layer deformed to the predetermined radius of curvature.

Claim 19 (Canceled)

20. (Currently Amended) A device ~~according to claim 19,~~ comprising first and second layers, wherein the first layer is flexible, and the second layer is substantially flat and meanders across the plane of the first layer so as to prevent fracture of the second layer when the first layer is deformed, and wherein the first layer is a substrate ~~comprises comprising~~ polycarbonate.

21. (Currently Amended) ~~A~~ The device according to claim 1, wherein the second layer is a coating on the first layer.

22. (Currently Amended) A The device according to claim 21, wherein the second layer comprises a transparent conductor.

23. (Currently Amended) A The device according to claim 21, wherein the second layer comprises a conductive oxide.

24. (Currently Amended) A The device according to claim 23, wherein the conductive oxide comprises indium tin oxide.

25. (Currently Amended) A The device according to ~~claim 3~~ claim 1, wherein the interconnected portions are interconnected to provide a continuous path for an electric current.

Claim 26 (Canceled)

27. (Currently Amended) A device ~~according to claim 26,~~ comprising first and second layers, and a third layer covering a portion of the second layer, wherein the first layer is flexible, and the second layer is substantially flat and meanders across the

plane of the first layer so as to prevent fracture of the second layer when the first layer is deformed, and wherein said third layer is Poly-3,4-Ethylenedioxythiophene.

28. (Currently Amended) A The device according to ~~claim 3~~  
claim 1, comprising a display.

29. (Currently Amended) A The device according to claim 28,  
comprising an electroluminescent display.

30. (Currently Amended) A The device according to claim 28,  
comprising a foil display.

31. (Currently Amended) A The device according to claim 28,  
comprising a liquid crystal display device.

32. (Currently Amended) A display device according to claim 31, comprising first and second layers, wherein the first layer is flexible, and the second layer is substantially flat and meanders

across the plane of the first layer so as to prevent fracture of the second layer when the first layer is deformed, the second layer comprising a plurality of interconnected portions, and wherein each of the interconnected portions has a length, the portion length being dependent on the spacing and size of pixels in the liquid crystal of the display device.

33. (Currently Amended) ~~A~~ The device according to claim 31, wherein the liquid crystal display device comprises an active matrix device.

34. (Currently Amended) ~~A~~ The device according to claim 31, wherein the liquid crystal display device comprises a passive matrix device.

35. (Currently Amended) ~~A device according to claim 33, wherein the~~ An active matrix liquid crystal display device comprises comprising a plurality of spaced apart pixels (85, 86, 87), a first layer which is flexible, and the a second layer that

comprises an electrode ~~(84)~~ which is arranged to meander periodically between the pixels, ~~the~~ a period of the meander being dependent on the pixel spacing.

36. (Currently Amended) ~~A~~ The device according to claim 35, wherein the period of the meander is an integer multiple of the pixel spacing.

37. (Currently Amended) ~~A device according to claim 1,~~  
comprising first and second layers wherein the first layer is flexible, and the second layer is substantially flat and meanders across the plane of the first layer so as to prevent fracture of the second layer when the first layer is deformed, wherein the second layer comprises a brittle material.

38. (Currently Amended) A method of fabricating a device comprising first ~~(10, 26, 32, 37, 55, 61, 70, 80)~~ and second ~~(11, 27, 33, 38, 56, 62, 71, 81)~~ layers wherein the first layer is flexible and the second layer is substantially flat and meanders

across the plane of the first layer so as to prevent fracture of the second layer when the first layer is deformed, the second layer comprising a plurality of interconnected portions ~~(12, 13, 28, 29, 35, 39, 57, 63, 72, 82)~~ each having a portion length, the method including selecting the portion length to prevent fracture when the first layer is deformed to a predetermined radius of curvature.

39. (Currently Amended) A The method according to claim 38, further comprising determining a spacing between fractures ~~(25)~~ for a continuous layer ~~(24)~~ of material when deformed to a predetermined radius of curvature, and selecting the portion length to be a value that is dependent on the determined spacing.

40. (Currently Amended) A The method according to claim 39, comprising determining an average spacing between the fractures ~~(25)~~.

Claims 41-47 (Canceled)

48. (Currently Amended) A device comprising a layer on a flexible substrate, the layer comprising a plurality of interconnected conductive portions, each portion being multiply connected to one or more other conductive portions so as to form a meandering conductive path across the substrate, whereby fracture of the layer when the substrate is deformed is avoided, wherein each of the interconnected conductive portions has a length, the length being selected to prevent fracture when the substrate is deformed to a predetermined radius of curvature.

49. (Currently Amended) A device according to claim 48, wherein the interconnected conductive portions are substantially hexagonal or substantially quadrilateral.

Claim 50 (Canceled)

51. (Currently Amended) A ~~The~~ device according to ~~claim 50~~ claim 48, wherein the portion length is selected to be less than a predetermined length, the predetermined length being dependent on

the average length between cracks or a continuous layer deformed to the predetermined radius of curvature.